

could be
a data transfer circuit, incorporated with the card, for transferring information between the electronic device and the external device;

a first [parallel] data connector, [formed] provided on the first end portion of the card, for electrically connecting the data transfer circuit to the electronic device when the card interface is inserted into the slot; and

a second data connector, [formed] provided on the second end portion, for coupling the data transfer circuit to the external device.

REMARKS

The present reissue application currently includes patent claims 2, 4-18, 20 and 22-37 and added claims 38-55. Further, patent claims 1, 3, 9 and 21 previously have been canceled.

It is noted with great appreciation that the Examiner has allowed claims 44, 50 and 55, and has found allowable subject matter in claims 9-17, 27-35 and 37. However, the Applicant at this time respectfully chooses to amend and argue the broader rejected claims.

In the present Office Action, it is stated that claims 1-55 are presented for examination. However, the Applicant would like to respectfully point out that in the current reissue application, claims 1, 3, 19 and 21 have been cancelled. In view of this, claims 2, 4-18, 20 and 22-55 are the only currently pending claims. Therefore, the Applicant will only address these claims in the following rejections.

Claims 18, 36, 38-40, 45-46 and 51 were rejected under 35 U.S.C. §102 as being anticipated by Steffen. Claims 2, 4-8, 20, 22-26, 41-43, 47-49 and 52-54 were rejected

under 35 U.S.C. §103 as being unpatentable over Steffen in view of Yokoyama et al.

Based on the following, these rejections are respectfully traversed.

In response to the above rejections, it is respectfully submitted that the claims recite features neither taught nor suggested by Steffen alone or in combination with Yokoyama et al. In order to clarify such distinctions, claims 38, 40-41, 43, 45-47, 49 and 51 were amended to recite "a card to be inserted into a slot provided in the electronic device", which was previously recited in the original filed claim 1 now cancelled. Therefore, this amendment is supported by the present application's original disclosure.

Claims 38-41, 43-47, 49-52, 54-55 were also amended to recite "the data transfer circuit is incorporated into the card". This amendment is supported by column 3, lines 32-34 of the original disclosure. Further, other claim amendments of an editorial nature were made including inserting the word "provided" in a number of places.

In view of above, it is respectfully submitted that the presently recited "card interface" is neither taught nor suggested by Steffen. Steffen does not disclose "a card having a first interface unit, a second interface unit and data transfer circuit all incorporated thereon that is inserted into a slot provided in the electronic device", as required by the claims.

In addressing the presently recited "card" in the above rejection, the conveyance means 2 of Steffen is being relied on. However, as can be seen from Figure 1 of Steffen, the conveyance means 2 is obviously not inserted into slot 40 and thus cannot be equated to the presently recited "card".

The above assertion is also supported by the description of Steffen, as follows. In column 5, lines 15-17, of Steffen, it is disclosed that "a conveyance means (2) used to

provide for the transmission of information between the intermediate means (3) and the module (1), and vice versa." Referring also to lines 33-34 of column 4 of Steffen, it is disclosed that "the end 20 of the conveyance means 2 is fixed in the intermediate means 3."

Referring further to lines 46-47 of column 4 of Steffen, it is disclosed that "the end 21 of the conveyance means 2 is fixed to the surface 11 of the module 1." In view of this disclosure, it is clear in Steffen, that the transferring of information to or from the module 1 is performed through the end 21 of the conveyance means 2, and such end 21 is extended from the intermediate means 3. The intermediate means 3 is not provided with such end 21 and thus the intermediate means cannot be interpreted to have "a second interface unit provided on the card", as required by the claims.

Further, in lines 62-63 of column 3 of Steffen, it is disclosed that the intermediate means 3 is inserted into the slot 40 and not the conveyance means 2 which is being relied on in the above rejection. Therefore, it is evident that the presently recited "card" is distinguishable over Steffen.

In regard to claims 43, 49 and 54, it is respectfully submitted that additional features are recited, which are also neither taught nor suggested by Steffen. In particular, such features include the presently recited "converter, which converts the parallel bit digital information into a serial bit digital information, incorporated with a card inserted or to be inserted into a slot of an electronics device". In lines 14-18 of column 4 of Steffen, it is only disclosed that "This connector (22) is compatible with an interconnection with the connector 30 of the chip card 3. This connector (24) is compatible with an interconnection with connector 15 of the module 1". As shown in

Figs. 1 and 2, the connector 30 of the chip card 3 and the connector 15 of the module 1 include eight contact portions 24 and these eight contact portions 24 which are respectively coupled to the connectors 22 and 24 because these connectors are compatible with the connector 30 and 15, respectively.

In view of the above disclosure, in Steffen, the transmission of information between the connectors 30 and 15 through the conduction wire 26 of the conveyance means 2 is performed in parallel bit form. Steffen, therefore, does not disclose a converter, which is converting the parallel bit digital information into a serial bit digital information, as required by claims 43, 49 and 54. Therefore, it is respectfully submitted that these claims are further distinguishable over Steffen.

In regard to claims 41-42, 47-48 and 52-53, it is respectfully submitted that the presently recited "wireless data transmitter/receiver is also distinguishable over Steffen in view of Yokoyama. Neither Steffen nor Yokoyama et al. disclose "a wireless data transmitter/receiver, which is incorporated with a card inserted or to be inserted into a slot, for transmitting the output information to the external device and for receiving the input information from the external device via a wireless communication channel" as required by claims 41, 42, 47-48 and 52-53.

In lines 7-10 of column 4 of Yokoyama et al., it is disclosed that "it should be noted that since the above described IC card 112 of the commerciality available IC card, neither a transmitter, receiver, modulator and demodulator is built therein." In view of this disclosure, Yokoyama et al. clearly teaches away from providing a card with a wireless data transmitter/receiver. Since neither Steffen and Yokoyama et al. disclose a wireless data transmitter/receiver incorporated with a card, which is inserted or will be

inserted into a slot and Yokoyama et al. clearly teaches away from providing a card with a wireless data transmitter/receiver. Therefore, 41, 42, 47, 48, 52 and 53 are further distinguishable over Steffen in view of Yokoyama et al.

In view of the above described distinctions, it is respectfully submitted that invention of claims 2, 4-8, 18, 20, 22-26, 36, 38-43, 45-49, 51-54 is neither anticipated nor made obvious in view of Steffen alone or in combination with Yokoyama et al.

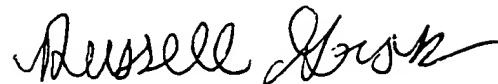
An earnest effort has been made to be fully responsive to the Examiner's objections. It is respectfully believed that claims 2, 4-18, 20 and 22-55 are in condition for allowance. This Amendment is not believed to add new matter, raise new issues or require additional searching on the part of the Examiner. Entry of the Amendment and passage of this case to issue are earnestly solicited.

However, if for any reason, the Examiner should consider this application not to be in condition for allowance, it is respectfully requested that the Examiner telephone the undersigned attorney at the number listed below prior to issuing an Advisory Action.

Any fee due with this paper, not fully covered by an enclosed check, may be

charged on Deposit Acct. No. 08-1634.

Respectfully submitted,



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